



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: CSCO-2894

COPY OF PAPERS
ORIGINALLY FILED

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit.

Date of Deposit:	08/07/02	Name of Person Making the Deposit:	Kerry Erin Kelly	Signature of the Person Making the Deposit:	
------------------	----------	------------------------------------	------------------	---	--

The Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Re-Submission of Transmittal of Assignment

1. Name of conveying party(ies): Mark Buonanno, Chris Shenefiel, Michael Swailes, Stephen Quatrano, Brian Carrier

Serial No.: 09/727,841
Filed: 11/30/00

Group Art Unit:
Examiner:

2. Name and Address of Receiving party(ies): Cisco Technology, Inc
170 West Tasman Drive, San Jose, CA 95134
3. Nature of Conveyance: Assignment
Execution Date: 11/09/00, 11/09/00, 11/08/00, 11/14/00, 11/20/00

4. New Patent Application entitled: MULTIMEDIA B2B OPPORTUNITY AND ERROR
DETECTION AND RESOLUTION ENGINE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James P. Hao
Address: Wagner, Murabito & Hao LLP
Two North Market Street, Third Floor, San Jose, CA 95113
Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)

Assignment Recordation Fee, per property

1 X \$0.00

Total Fees (37 CFR 3.41)

\$0.00

x The amount of \$ 0.00 is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name James P. Hao
Reg. No. 36,398

Date: August 7, 2002



COPY OF PAPERS
ORIGINALLY FILED

Attorney Docket No.: CSCO-2894

Assignment to Cisco Technology, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Mark Buonanno

do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

☒ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: _____ filed on _____ and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.

I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: x

Mr. Mark U. Buonanno

Date: x

11/4/00

RECEIVED
AUG 19 2002
Technology Center 2100

Assignment to Cisco Technology, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Chris Shenefiel
do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries; in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

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I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: ☒ Chris Shenefiel Date: ☒ 11-9-2000

Assignment to Cisco Technology, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Michael Swailes

do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

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In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: Michael Swailes Date: 15 Nov 2000

Assignment to Cisco Technology, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Stephen Quatrano
do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

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In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: _____

Date: _____

11/14/2000

Assignment to Cisco Technology, Inc.

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Brian Carrier

do hereby sell, assign, and transfer unto Cisco Technology, Inc. (hereinafter called Cisco), a California Corporation having its principal place of business at 170 West Tasman Drive, San Jose, California 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

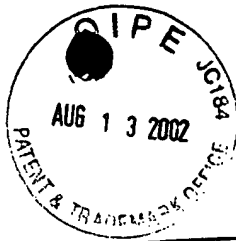
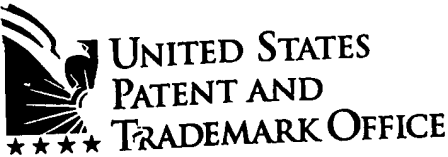
Serial No.: _____ filed on _____ and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Cisco, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cisco, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cisco.

I/we further covenant with Cisco, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: X Brian L. Carrier Date: X 11/20/06



APRIL 09, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

WAGNER, MURABITO & HAO LLP
JAMES P. HAO
TWO NORTH MARKET ST.
THIRD FLOOR
SAN JOSE, CA 95113



102016901A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/28/2002

REEL/FRAME: 012565/0984
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
BUONANNO, MARK

DOC DATE: 11/09/2000

ASSIGNOR:
SHENFIEL, CHRIS

DOC DATE: 11/09/2000

ASSIGNOR:
SWAILES, MICHAEL

DOC DATE: 11/08/2000

ASSIGNOR:
QUATRANO, STEPHEN

DOC DATE: 11/14/2000

ASSIGNOR:
CARRIER, BRIAN

DOC DATE: 11/20/2000

ASSIGNEE:
CISCO TECHNOLOGY, INC.
170 WEST TASMAN DRIVE
SAN JOSE, CALIFORNIA 95134

DOCKETED
Date: 4-16-02
Initials: 0

RECEIVED

APR 15 2002

WMH



012565/0984 PAGE 2

SERIAL NUMBER: 09727841-
PATENT NUMBER:

FILING DATE: 11/30/2000-
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02-12-2002

IN



102016901

AND TRADEMARK OFFICE

Docket No.: CSCO-2894

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit.			
Date of Deposit:	01/02/02	Name of Person Making the Deposit:	ANDREA MARTINEZ
		Signature of the Person Making the Deposit:	<i>Andrea Martinez</i>

The Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

1-28-02 Re-Submission of Transmittal of Assignment

1. Name of conveying party(ies): Mark Buonanno, Chris Shenfiel, Michael Swailes, Stephen Quatrano, And Brian Carrier

Serial No.: 09/727,841
Filed: 11/30/00

Group Art Unit:
Examiner:

2. Name and Address of Receiving party(ies): Cisco Technology, Inc.
170 West Tasman Drive, San Jose, CA 95134
3. Nature of Conveyance: Assignment
Execution Date: 11/09/00, 11/09/00, 11/08/00, 11/14/00, and 11/20/00

4. New Patent Application entitled: MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: James P. Hao
Address: Wagner, Murabito & Hao LLP
Two North Market Street, Third Floor, San Jose, CA 95113
Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)
Assignment Recordation Fee, per property
Total Fees (37 CFR 3.41)

1 X \$40.00

\$40.00

x The amount of \$ 40.00 is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name James P. Hao
Reg. No. 36,398

Date: January 2, 2002

02/11/2002 LMUELLER 00000052 09727841

01 FC:581

40.00 DP

IN THE U

08-13-2001

AUG 13 2002

TRADEMARK OFFICE

Docket No.: CSCO-2894

101809018

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit.

Date of Deposit:	08/01/01	Name of Person Making the Deposit:	ANDREA MARTINEZ	Signature of the Person Making the Deposit:	<i>Andrea Martinez</i>
------------------	----------	------------------------------------	-----------------	---	------------------------

The Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

1. Name of conveying party(ies): Mark Buonanno, Chris Shenfield, Michael Swailes
Stephen Quatrano, And Brian Carrier

Serial No.: 09/727,841
Filed: 11/30/00

Group Art Unit:
Examiner:

08/06/01

2. Name and Address of Receiving party(ies): Cisco Technology, Inc.
170 West Tasman Drive, San Jose, CA 95134
3. Nature of Conveyance: Assignment
Execution Date: 11/09/00, 11/09/00, 11/08/00, 11/14/00, and 11/20/00

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DETECTION AND RESOLUTION ENGINE

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Name: James P. Hao
Address: Wagner, Murabito & Hao LLP
Two North Market Street, Third Floor, San Jose, CA 95113
Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. Fee Calculation (for other than a small entity)

1 X \$40.00

\$40.00

Assignment Recordation Fee, per property

Total Fees (37 CFR 3.41)

x The amount of \$ 40.00 is enclosed

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.



Name: James P. Hao
Reg. No. 36,398

Date: August 1, 2001

/13/2001 LMUELLER 00000002 09727841

FC:581

40.00 DP

11/30/00

IN TH

12-14-2000



101551256

TRADEMARK OFFICE
Docket No. CSCO-2894

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Date of Deposit:	11/30/00	Name of Person Making the Deposit:	ANTHONY CHOU	Signature of the Person Making the Deposit:	<i>Anthony Chou</i>
------------------	----------	------------------------------------	--------------	---	---------------------

The Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

1. Name of conveying party(ies): MARK BUONANNO, CHRIS SHENEFEIL, MICHAEL SWAILES, STEPHEN QUATRANO, BRIAN CARRIER

Serial No.:
Filed: 11/30/00

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1 X \$40.00

\$40.00

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James P. Hao
Name James P. Hao
Reg. No. 36,398

Date: 11/30/00

10860 U.S. PTO
09/12/01
11/30/00

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AUG 19 2002
Technology Center 2100

01/2000 INVENTOR (408) 938-9060

11/30/00

40.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Date of Deposit:	11/30/00	Name of Person Making the Deposit:	ANTHONY CHOU	Signature of the Person Making the Deposit:	<i>Anthony Chou</i>
------------------	----------	------------------------------------	--------------	---	---------------------

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Washington, D.C. 20231

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Filed: 11/30/00

Group Art Unit:
Examiner:

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Reg. No. 36,398

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Washington, D.C. 20231

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James P. Hao
Name James P. Hao
Reg. No. 36,398

Date: August 1, 2001

RECEIVED
AUG 19 2002
Technology Center 2100



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 11, 2001

PTAS



101809018A

WAGNER, MURABITO & HAO LLP
JAMES P. HAO
TWO NORTH MARKET STREET, THIRD FLOOR
SAN JOSE, CA 95113

UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 08/06/2001

REEL/FRAME: 012049/0627
NUMBER OF PAGES: 7

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE SECOND ASSIGNOR'S NAME,
PREVIOUSLY RECORDED AT REEL

ASSIGNOR:
BUONANNO, MARK

DOC DATE: 11/09/2000

ASSIGNOR:
SHENFIELD, CHRIS

DOC DATE: 11/09/2000

ASSIGNOR:
SWAILES, MICHAEL

DOC DATE: 11/08/2000

ASSIGNOR:
QUATRANO, STEPHEN

DOC DATE: 11/14/2000

ASSIGNOR:
CARRIER, BRIAN

DOC DATE: 11/20/2000

ASSIGNEE:
CISCO TECHNOLOGY, INC.
170 WEST TASMAN DRIVE
SAN JOSE, CALIFORNIA 95134

DOCKETED
Date: 10-17-01
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